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(71) Applicant (for all designated States except US): **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London, Greater London EC1A 7AJ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SIKORA, Edmund.

Sergio, Robert [GB/GB]; Ashlyn, Ashbroking Road, Swilland, Ipswich Suffolk IP6 9LJ (GB). **HEALEY, Peter** [GB/GB]; 31 Norbury Road, Ipswich Suffolk IP4 4RQ (GB).

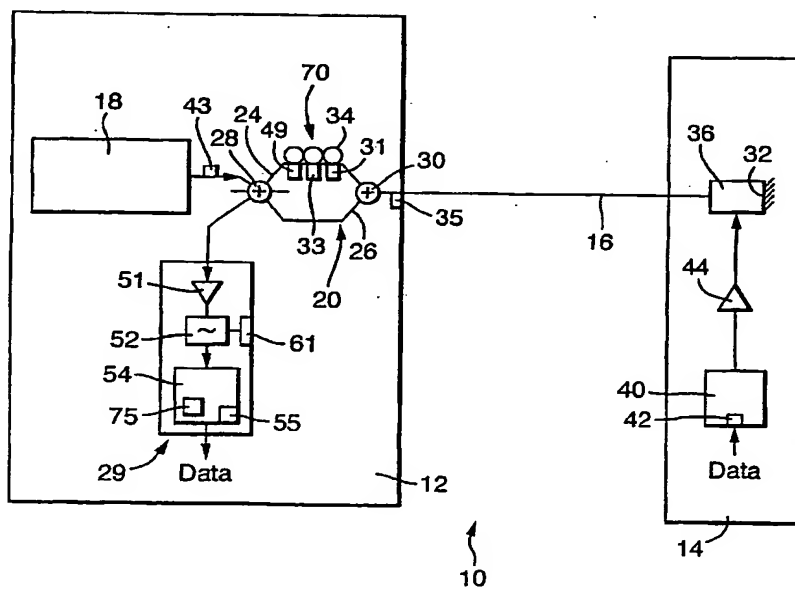
(74) Agent: CHABASSEUR, Vincent, Robert; PP: C5A, BT Centre, 81 Newgate Street, London, Greater London EC1A 7AJ (GB).

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(54) Title: SECURE OPTICAL COMMUNICATION



(57) Abstract: The present invention relates to a secure optical communication scheme. The differential delay D in an unbalanced Mach-Zehnder interferometer results in two copies of the optical source signal at a remote phase modulator separated in time by D . As D is much bigger than the coherence time source, the two copies of the signal are effectively uncorrelated both signals are phase-modulated by the remote sender's data and returned to the unbalanced interferometer. The phase modulator will be converted into amplitude modulation by the action of the interferometer.



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